

THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

036/2

INFORMATION AND COMPUTER STUDIES 2
(PRACTICAL)
(For School Candidates Only)

Time: 3 Hours

Wednesday, 18th November 2015 a.m.

Instructions

1. This paper consists of **three (3)** questions.
2. Answer any **two (2)** questions.
3. Each question carries **twenty five (25)** marks.
4. Save your work on the desktop in the folder-named by your examination number. **You are not allowed** to save your work by using your name or school name.
5. Save your work by using the 1997-2003 version of the MS Office software you are using.
6. Submit printed **hardcopy** together with the **softcopy** of your work(s).
7. Check whether the **printed** work(s) are similar to the **softcopy** saved in the folder.
8. Cellular phones are **not** allowed in the examination room.
9. Type your **Examination Number** on every page of your softcopy work(s).

1. The following tables show books kept in a certain library. Read the tables carefully and answer the questions that follows:

Table 1: Library Books

| Code Number | Title | Author's Name | Book returned (Br) or Book borrowed (Bb) | Borrower Number | Date Due Back |
|-------------|---------------|---------------|--|-----------------|---------------|
| 142 | Kalulu | S.Tott | Bb | 1230 | 20 Oct 2011 |
| 820 | ICS book one | S.Mburu | Bb | 1420 | 6 Apr 2011 |
| 403 | Comp. Science | T.Chemwa | Br | 642 | 2 May 2011 |
| 500 | B/Maths | TIE | Br | 462 | 2 May 2011 |

Table 2: Borrowers

| Borrower Number | Borrowers Name | Borrower Address | Borrowers' Phone Number |
|-----------------|----------------|---------------------------|-------------------------|
| 1230 | Leah Mud | P.O.Box 234, Lindi | 065-437328 |
| 1420 | John Komgo | P.O.Box 56, Dar es salaam | 077-126798 |

Using a database management system program (Microsoft office access);

- Create a table of books called **Library Books**. Use the information given in Table 1.
- Create another table of borrowers called **Library Borrowers**. Use the information given in Table 2.
- Sort the records in part (a) in ascending order of borrowers' number.
- Create a query called "greater than 1000" with field: Code number, Title, Name of author, Book returned and Date due back, showing borrowers' numbers that are above 1000.
- Create a query, showing only books returned (Br) and the names of the author. Save the query as "Br query".
- Create a relationship between the tables created above.
- Create a report of library borrower in (b) above and name the report as "Borrowers report".
- Insert the current date as the header of the report created in (g) above.
- Create a form which includes the current time and date using the table created in part (a) above. Save your form as "Books form".
- Save your database as "Library database".

2. Using HTML codes, design a four pages website about your personal information as shown below:
- (a) Create a home page for your personal information with navigation links to all other pages and a moving marquee heading:
WELCOME TO XXX'S WEBSITE, where XXX is your Examination number.
- (b) The other three pages should be as follows:
- (i) Page I: **Bio-Data** i.e. Date of birth, Nationality and Languages spoken.
- Other descriptions are:
- Use bullets to list the languages spoken.
 - The heading shall be "Welcome to XXX'S Bio-data".
 - The link name shall be "Bio-data".
 - Arrange your Bio-Data in a proper order. For example
My Examination number: S.0309/25
Date of Birth: 12/3/1989
- (ii) Page II: **Educational Background** i.e. a table with border five (5) which shows a period of attendance and qualifications acquired.
- Other descriptions are:
- The heading shall be "My educational background".
 - Use "Educational" as the link name for this page.
- (iii) Page III: **Responsibilities Held** i.e. a bulleted list of two responsibilities held e.g. Monitor and Head prefect.
- Other descriptions are:
- The heading shall be "Responsibilities held".
 - Use the "Responsibilities" as the link name for this page.
- NB:**
- ❖ Use "Form Four examinations" as the title for all pages.
 - ❖ Use silver as the background colour for all pages.
 - ❖ Save your web folder as "XXX Website", and print out your codes.
- (c) Copy and paste in Microsoft office word, the **educational background** page. Save as background word.

3. A furniture shop sells furniture to customers on credit. The credit terms request the customer to make a deposit of 25% of the furniture value. The balance after the total deposit is paid in monthly instalments over 24 months without interest.

The table below shows customers and furniture's credit values:

| | A | B | C | D | E | F |
|---|-----|---------------|-----------------|---------|---------|---------------------|
| | S/N | Customer Name | Furniture Value | Deposit | Balance | Monthly Instalments |
| 1 | | | | | | |
| 2 | 1 | Amour | 85000 | | | |
| 3 | 2 | Halima | 55000 | | | |
| 4 | 3 | Hussein | 90000 | | | |
| 5 | 4 | John | 63500 | | | |
| 6 | 5 | Baby | 97500 | | | |
| 7 | 6 | Ali | 65800 | | | |
| 8 | 7 | Kwangu | 95900 | | | |

- Create a spreadsheet of the data above and save it as "Furniture".
- Make all titles bold and shade the cell background for titles in Tan colour.
- Format the monthly instalments values to two decimal points.
- Use formula to calculate values for Deposit, Balance and Monthly instalments.
- Sort the worksheet in alphabetical order of names, save as Furniture 2.
- Using a sheet in (a) above, create a fully labelled;
 - Column chart of customers names against monthly instalments, with the heading **monthly instalments**.
 - Line chart with the heading **Balance** of customer names against customers balances.
 - Three dimensional pie chart of customer names against furniture values. Write the **customers values** as the heading of the pie chart created.
- Copy and paste in Microsoft office PowerPoint, the three dimensional pie chart created in part (f) (iii) above. Save as Webpage presentation.